

Trying 31060000009999...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

\*\*\*\*\* HHHHHHHH SSSSSSS? ### Status: Signing onto Dialog \*\*\*\*\*

ENTER PASSWORD:

\*\*\*\*\* HHHHHHHH SSSSSSS? \*\*\*\*\*

Welcome to DIALOG

### Status: Login successfulDialog level 05.12.03D

Last logoff: 25oct06 11:31:16

Logon file405 26oct06 11:39:31

\*\*\* ANNOUNCEMENTS \*\*\*

\*\*\*

NEW FILES RELEASED

\*\*\*Verdict Market Research (File 769)

\*\*\*EMCare (File 45)

\*\*\*Trademarkscan - South Korea (File 655)

\*\*\*Regulatory Affairs Journals (File 183)

\*\*\*Index Chemicus (File 302)

\*\*\*Inspec (File 202)

RESUMED UPDATING

\*\*\*File 141, Reader's Guide Abstracts

\*\*\*

RELOADS COMPLETED

\*\*\*File 11, PsycInfo

\*\*\*File 531, American Business Directory

\*\*\* The 2005 reload of the CLAIMS files (Files 340, 341, 942)  
is now available online.

\*\*\*

DATABASES REMOVED

\*\*\*File 196, FINDEX

\*\*\*File 468, Public Opinion Online (POLL)

Chemical Structure Searching now available in Prous Science Drug  
Data Report (F452), Prous Science Drugs of the Future (F453),  
IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein  
Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus  
(File 302).

\*\*\*

>>>For the latest news about Dialog products, services, content<<<  
>>>and events, please visit What's New from Dialog at <<<  
>>><http://www.dialog.com/whatsnew/>. You can find news about<<<  
>>>a specific database by entering HELP NEWS <file number>.<<<

\* \* \*

SYSTEM:HOME

Cost is in DialUnits

Menu System II: D2 version 1.7.9 term=ASCII

\*\*\* DIALOG HOMEBASE(SM) Main Menu \*\*\*

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)

## 5. Product Descriptions

### Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

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/H = Help                      /L = Logoff                      /NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

?

Terminal set to DLINK

\*\*\* DIALOG HOMEBASE(SM) Main Menu \*\*\*

### Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
5. Product Descriptions

### Connections:

6. DIALOG(R) Document Delivery
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/H = Help                      /L = Logoff                      /NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).

? b 155 biosci medicine 399

```
>>>          44 is unauthorized
>>>          76 is unauthorized
>>>          138 is unauthorized
>>>3 of the specified files are not available
      26oct06 11:39:41 User276629 Session D260.1
      $0.00    0.213 DialUnits FileHomeBase
      $0.00 Estimated cost FileHomeBase
      $0.03 TELNET
      $0.03 Estimated cost this search
      $0.03 Estimated total session cost    0.213 DialUnits
```

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1950-2006/Oct 24

(c) format only 2006 Dialog

File 5:Biosis Previews(R) 1969-2006/Oct W3

- - - (c) 2006 The Thomson Corporation

File 24:CSA Life Sciences Abstracts 1966-2006/Sep

(c) 2006 CSA.

File 28:Oceanic Abstracts 1966-2006/Sep  
(c) 2006 CSA.

File 34:SciSearch(R) Cited Ref Sci 1990-2006/Oct W3  
(c) 2006 The Thomson Corp

File 35:Dissertation Abs Online 1861-2006/Sep  
(c) 2006 ProQuest Info&Learning

File 40:Enviroline(R) 1975-2006/Sep

File 41:Pollution Abstracts 1966-2006/Sep  
(c) 2006 CSA.

File 45:EMCare 2006/Oct W4  
(c) 2006 Elsevier B.V.

File 50:CAB Abstracts 1972-2006/Sep  
(c) 2006 CAB International

File 65:Inside Conferences 1993-2006/Oct 26  
(c) 2006 BLDSC all rts. reserv.

File 71:ELSEVIER BIOBASE 1994-2006/Oct W4  
(c) 2006 Elsevier B.V.

File 73:EMBASE 1974-2006/Oct 26  
(c) 2006 Elsevier B.V.

File 91:MANTIS(TM) 1880-2006/Jan  
2001 (c) Action Potential

File 94:JICST-EPlus 1985-2006/Jul W3  
(c) 2006 Japan Science and Tech Corp (JST)

File 98:General Sci Abs 1984-2006/Oct  
(c) 2006 The HW Wilson Co.

File 110:WasteInfo 1974-2002/Jul  
(c) 2002 AEA Techn Env.

**\*File 110: This file is closed (no updates)**

File 135:NewsRx Weekly Reports 1995-2006/Oct W3  
(c) 2006 NewsRx

File 136:BioEngineering Abstracts 1966-2006/Sep  
(c) 2006 CSA.

File 143:Biol. & Agric. Index 1983-2006/Sep  
(c) 2006 The HW Wilson Co

File 144:Pascal 1973-2006/Oct W1  
(c) 2006 INIST/CNRS

File 164:Allied & Complementary Medicine 1984-2006/Oct  
(c) 2006 BLHCIS

File 172:EMBASE Alert 2006/Oct 26  
(c) 2006 Elsevier B.V.

File 185:Zoological Record Online(R) 1978-2006/Nov  
(c) 2006 The Thomson Corp.

File 357:Derwent Biotech Res. 1982-2006/Oct W5  
(c) 2006 The Thomson Corp.

File 369:New Scientist 1994-2006/Aug W4  
(c) 2006 Reed Business Information Ltd.

File 370:Science 1996-1999/Jul W3  
(c) 1999 AAAS

**\*File 370: This file is closed (no updates). Use File 47 for more current information.**

File 391:Beilstein Reactions 2006/Q3  
(c) 2006 Beilstein GmbH

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 2006 The Thomson Corp

File 467:ExtraMED(tm) 2000/Dec  
(c) 2001 Informania Ltd.

File 149:TGG Health&Wellness DB(SM) 1976-2006/Oct W2

(c) 2006 The Gale Group

File 156:ToxFile 1965-2006/Oct W3

(c) format only 2006 Dialog

File 159:Cancerlit 1975-2002/Oct

(c) format only 2002 Dialog

**\*File 159: Cancerlit is no longer updating.**

Please see HELP NEWS159.

File 162:Global Health 1983-2006/Sep

(c) 2006 CAB International

File 266:FEDRIP 2006/Aug

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File 399:CA SEARCH(R) 1967-2006/UD=14518

(c) 2006 American Chemical Society

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IPCR/8 classification codes now searchable as IC=. See HELP NEWSIPCR.

File 444:New England Journal of Med. 1985-2006/Oct W3

(c) 2006 Mass. Med. Soc.

Set	Items	Description
---	-----	-----
? s insulin(n60)	crystal	
	1491768	INSULIN
	2388397	CRYSTAL
S1	2583	INSULIN(N60)CRYSTAL
? s s1 and (B3 or B29)		
	2583	S1
	34410	B3
	5680	B29
S2	63	S1 AND (B3 OR B29)
? rd		

>>>Duplicate detection is not supported for File 391.

>>>Records from unsupported files will be retained in the RD set.

S3 28 RD (unique items)

? s s3 and (mutant or substitution or variant)

28 S3

1312485 MUTANT

861176 SUBSTITUTION

512703 VARIANT

S4 7 S3 AND (MUTANT OR SUBSTITUTION OR VARIANT)

? s s4 and (R3)

>>>"R3" does not exist

7 S4

0 R3

S5 0 S4 AND (R3)

? s s4 and rhombohedral

7 S4

12283 RHOMBOHEDRAL

S6 0 S4 AND RHOMBOHEDRAL

? t s4/medium/all

4/3/1 (Item 1 from file: 155)

DIALOG(R) File 155:MEDLINE(R)

(c) format only 2006 Dialog. All rts. reserv.

11712411 PMID: 9514738

**Mini-proinsulin and mini-IGF-I: homologous protein sequences encoding non-homologous structures.**

Hua Q X; Hu S Q; Jia W; Chu Y C; Burke G T; Wang S H; Wang R Y; Katsoyannis P G; Weiss M A

Center for Molecular Oncology and Department of Biochemistry and Molecular Biology, The University of Chicago, Chicago, IL 60637, USA.

Journal of molecular biology (ENGLAND) Mar 20 1998, 277 (1) p103-18, ISSN 0022-2836--Print Journal Code: 2985088R

Contract/Grant No.: DK12925; DK; NIDDK; DK40949; DK; NIDDK

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

4/3/2 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 2006 Dialog. All rts. reserv.

08294952 PMID: 2692717

**Two-dimensional NMR and photo-CIDNP studies of the insulin monomer: assignment of aromatic resonances with application to protein folding, structure, and dynamics.**

Weiss M A; Nguyen D T; Khait I; Inouye K; Frank B H; Beckage M; O'Shea E; Shoelson S E; Karplus M; Neuringer L J

Department of Biological Chemistry and Molecular Pharmacology, Harvard Medical School, Boston, Massachusetts 02115.

Biochemistry (UNITED STATES) Dec 12 1989, 28 (25) p9855-73, ISSN 0006-2960--Print Journal Code: 0370623

Contract/Grant No.: RR-00995; RR; NCRR; RR-02301; RR; NCRR

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

4/3/3 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

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01958821 Genuine Article#: JP728 No. References: 37

**Title: ALTERING THE ASSOCIATION PROPERTIES OF INSULIN BY AMINO-ACID REPLACEMENT**

Author(s): BREMS DN; ALTER LA; BECKAGE MJ; CHANCE RE; DIMARCHI RD; GREEN LK ; LONG HB; PEKAR AH; SHIELDS JE; FRANK BH

Corporate Source: ELI LILLY & CO,PARENTERAL PROD RES & DEV/INDIANAPOLIS//IN/46285; ELI LILLY & CO,DIABET RES/INDIANAPOLIS//IN/46285

Journal: PROTEIN ENGINEERING, 1992, V5, N6 (SEP), P527-533

ISSN: 0269-2139

Language: ENGLISH Document Type: ARTICLE (Abstract Available)

4/3/4 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online  
(c) 2006 ProQuest Info&Learning. All rts. reserv.

01173450 ORDER NO: AADDX-93007

**X-RAY ANALYSIS OF DIMERIC AND HEXAMERIC INSULINS (DIMERIC INSULINS, INSULIN)**

Author: DEREWENDA, URSZULA

Degree: PH.D.

Year: 1990

Corporate Source/Institution: UNIVERSITY OF YORK (UNITED KINGDOM) (0769)

Source: VOLUME 52/04-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2046. 336 PAGES

**4/3/5 (Item 1 from file: 73)**

DIALOG(R)File 73:EMBASE

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13437097 EMBASE No: 2005509494

**Pharmacologic modifications of hormones to improve their therapeutic potential for diabetes management**

Garber A.J.

Dr. A.J. Garber, Department of Medicine, Baylor College of Medicine, 6550 Fannin, Houston, TX 77030 United States

AUTHOR EMAIL: agarber@bcm.tmc.edu

Diabetes, Obesity and Metabolism ( DIABESTES OBES. METAB. ) (United Kingdom) 2005, 7/6 (666-674)

CODEN: DOMEF ISSN: 1462-8902

DOCUMENT TYPE: Journal ; Review

LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

NUMBER OF REFERENCES: 55

**4/3/6 (Item 1 from file: 370)**

DIALOG(R)File 370:Science

(c) 1999 AAAS. All rts. reserv.

00500135 (USE 9 FOR FULLTEXT)

**Imitation of Escherichia coli Aspartate Receptor Signaling in Engineered Dimers of the Cytoplasmic Domain**

Cochran, Andrea G.; Kim, Peter S.

Howard Hughes Medical Institute, Whitehead Institute for Biomedical

Research, Department of Biology, Massachusetts Institute of Technology, Nine Cambridge Center, Cambridge, MA 02142, USA.

Science Vol. 271 5252 pp. 1113

Publication Date: 2-23-1996 (960223) Publication Year: 1996

Document Type: Journal ISSN: 0036-8075

Language: English

Section Heading: Reports

Word Count: 2358

**4/3/7 (Item 2 from file: 370)**

DIALOG(R)File 370:Science

(c) 1999 AAAS. All rts. reserv.

00500106 (USE 9 FOR FULLTEXT)

**Activation of BTK by a Phosphorylation Mechanism Initiated by SRC Family Kinases**

Rawlings, David J.; Scharenberg, Andrew M.; Park, Hyunsun; Wahl, Matthew I.; Lin, Siqi; Kato, Roberta M.; Fluckiger, Anne-Catherine; Witte, Owen N.; Kinet, Jean-Pierre

D. J. Rawlings, H. Park, M. I. Wahl, R. M. Kato, A.-C. Fluckiger, Department of Microbiology and Molecular Genetics, University of California, Los Angeles, CA 90095-1662, USA. ; A. M. Scharenberg, S. Lin, J.-P. Kinet, Laboratory of Allergy and Immunology, Beth Israel Hospital, and Harvard Medical School, 99 Brookline Avenue, Boston, MA 02215, USA. ; O. N. Witte, Howard Hughes Medical Institute and Molecular Biology Institute and the Department of Microbiology and Molecular Genetics, University of California, Los Angeles, CA 90095-1662, USA.

Science Vol. 271 5250 pp. 822

Publication Date: 2-09-1996 (960209) Publication Year: 1996

Document Type: Journal ISSN: 0036-8075

Language: English

Section Heading: Reports

Word Count: 2654

? t s4/full/4 3

**4/9/4 (Item 1 from file: 35)**

DIALOG(R)File 35:Dissertation Abs Online

(c) 2006 ProQuest Info&Learning. All rts. reserv.

01173450 ORDER NO: AADDX-93007

**X-RAY ANALYSIS OF DIMERIC AND HEXAMERIC INSULINS (DIMERIC INSULINS, INSULIN)**

Author: DEREWENDA, URSZULA

Degree: PH.D.

Year: 1990

Corporate Source/Institution: UNIVERSITY OF YORK (UNITED KINGDOM) (0769)

Source: VOLUME 52/04-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 2046. 336 PAGES

Descriptors: CHEMISTRY, PHARMACEUTICAL

Descriptor Codes: 0491

Available from UMI in association with The British Library.

The work presented in this thesis covers crystallographic studies of native, chemically modified and **mutant** insulins.

1. The native insulins are at different stages of association: (a) as dimers, in the orthorhombic **crystal** form, and (b) as hexamers, in the monoclinic **crystal** form.

2. The modified **insulin** is a single chain molecule cross-linked between B29 Lys and A1 Gly. This modification inactivates **insulin**. The structural interpretation of this effect is discussed.

3. The work on **mutant** insulins can be divided into two areas: (a) structure analysis of hyperactive **insulin mutant** A8 His and (b) structure analysis of pharmaceutically important **mutant** insulins.

Molecular Replacement Method was used to determine the structure of non-isomorphous crystals. The results of the application of the Molecular Replacement method can sometimes lead to "incorrect" solutions. In Chapter 7 there are some comparisons between "correct" and "incorrect" solutions and attempts of finding good criteria for the identification of "incorrect" solutions.

4/9/3 (Item 1 from file: 34)

DIALOG(R) File 34:SciSearch(R) Cited Ref Sci  
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01958821 Genuine Article#: JP728 Number of References: 37

Title: **ALTERING THE ASSOCIATION PROPERTIES OF INSULIN BY AMINO-ACID  
REPLACEMENT**

Author(s): BREMS DN; ALTER LA; BECKAGE MJ; CHANCE RE; DIMARCHI RD; GREEN LK  
; LONG HB; PEKAR AH; SHIELDS JE; FRANK BH

Corporate Source: ELI LILLY & CO,PARENTERAL PROD RES &  
DEV/INDIANAPOLIS//IN/46285; ELI LILLY & CO,DIABET  
RES/INDIANAPOLIS//IN/46285

Journal: PROTEIN ENGINEERING, 1992, V5, N6 (SEP), P527-533  
ISSN: 0269-2139

Language: ENGLISH Document Type: ARTICLE

Geographic Location: USA

Subfile: SciSearch; CC LIFE--Current Contents, Life Sciences

Journal Subject Category: BIOCHEMISTRY & MOLECULAR BIOLOGY

Abstract: The importance of Pro(B28) and Lys( B29 ) on the self-association of insulin was established by systematically truncating the C terminus of the B chain. The relationship between structure and association was further explored by making numerous amino acid replacements at B28 and B29 . Association was studied by circular dichroism, size-exclusion chromatography and ultracentrifugation. Our results show that the location of a prolyl residue at B28 is critical for high-affinity self-association. Removal of Pro(B28) in a series of C-terminal truncated insulins, or amino acid replacement of Pro(B28), greatly reduced association. The largest disruption to association was achieved by replacing Lys( B29 ) with Pro and varying the amino acid at B28. Several of the analogs were predominantly monomers in solutions up to 3 mg/ml. These amino acid substitutions decreased association by primarily disrupting the formation of dimers. Such amino acid substitutions also substantially reduced the Zn-induced insulin hexamer formation. The formation of monomeric insulins through amino acid replacements was accompanied by conformational changes that may be the cause for decreased association. It is demonstrated that self-association of insulin can be drastically altered by **substitution** of one or two key amino acids.

Descriptors--Author Keywords: CIRCULAR DICHROISM ; MUTAGENESIS ;  
SELF-ASSOCIATION ; SIZE-EXCLUSION ; ULTRACENTRIFUGATION

Identifiers--KeyWords Plus: FREE BOVINE **INSULIN** ; SELF-ASSOCIATION;  
CIRCULAR-DICHROISM; B26-30 **INSULIN** ; ZINC-BINDING; MODEL; **CRYSTAL**;  
PROINSULIN; HEXAMER

Research Fronts: 90-2864 002 (NATIVE HUMAN INSULIN MONOMER;  
SEQUENCE-SPECIFIC H-1-NMR ASSIGNMENTS; EQUIVALENT INVIVO  
BIOLOGICAL-ACTIVITY)

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 PEKAR AH, 1972, V11, P4013, BIOCHEMISTRY-US  
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 RUPLEY JA, 1967, V140, P185, BIOCHIM BIOPHYS ACTA  
 SCHMITT EW, 1978, V359, P799, HOPPESEYLER Z PHYSIOL  
 STRAZZA S, 1985, V238, P30, ARCH BIOCHEM BIOPHYS  
 SUMMERELL JM, 1965, V95, P31, BIOCHEM J

? logoff

26oct06 11:43:57 User276629 Session D260.2  
 \$0.71 0.210 DialUnits File155  
 \$0.44 2 Type(s) in Format 3  
 \$0.44 2 Types  
 \$1.15 Estimated cost File155  
 \$1.19 0.198 DialUnits File5  
 \$1.19 Estimated cost File5  
 \$0.26 0.043 DialUnits File24  
 \$0.26 Estimated cost File24  
 \$0.15 0.024 DialUnits File28  
 \$0.15 Estimated cost File28  
 \$4.50 0.192 DialUnits File34  
 \$6.82 1 Type(s) in Format 3  
 \$6.82 1 Type(s) in Format 9  
 \$13.64 2 Types  
 \$18.14 Estimated cost File34  
 \$0.24 0.058 DialUnits File35  
 \$2.30 1 Type(s) in Format 9  
 \$0.00 1 Type(s) in Format 66  
 \$2.30 2 Types  
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 \$0.15 0.024 DialUnits File41  
 \$0.15 Estimated cost File41  
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\$0.11      0.027 DialUnits File65  
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 \$0.64      0.073 DialUnits File71  
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         \$3.10 1 Type(s) in Format 3  
         \$3.10 1 Types  
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         \$0.05      0.012 DialUnits File91  
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         \$0.19      0.055 DialUnits File94  
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         \$0.17      0.040 DialUnits File98  
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         \$0.09      0.015 DialUnits File110  
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         \$0.26      0.043 DialUnits File185  
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         \$0.16      0.046 DialUnits File370  
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         \$0.00      0.037 DialUnits File391  
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         \$1.00      0.043 DialUnits File434  
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         \$0.12      0.018 DialUnits File467  
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         \$0.10      0.027 DialUnits File266  
 \$0.10 Estimated cost File266  
         \$3.86      0.308 DialUnits File399  
 \$3.86 Estimated cost File399  
         \$0.12      0.024 DialUnits File444

\$0.12 Estimated cost File444  
OneSearch, 37 files, 2.276 DialUnits FileOS  
\$1.33 TELNET  
\$43.32 Estimated cost this search  
\$43.35 Estimated total session cost 2.488 DialUnits

Logoff: level 05.12.03 D 11:43:57

You are now logged off